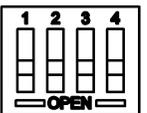


**GENERAL NOTES**  
 1. ALL PNEUMATIC QUICK DISCONNECT FITTINGS ARE LUER LOCK.  
 2. ALL INTERNAL TUBING IS 1/16" ID EXCEPT THE OPEN/CLOSE SUPPLY WHICH IS 1/8" ID.  
 3. WE RECOMMEND THE USE OF A QUENCH APC ON EVERY MECHANICAL RELAY AND SOLENOID IN THE SYSTEM. USE PAKTRON P/N 104M06QC100 OR EQUIVALENT.

**WEIDMULLER MATING CONNECTORS TYPE BLZ**  
 4 PIN - PART NO. 12593.6  
 6 PIN - PART NO. 12595.6  
 8 PIN - PART NO. 12597.6  
 10 PIN - PART NO. 12599.9

RS485 CAN BE SETUP FOR USE WITH EITHER A TWISTED PAIR OR TWO TWISTED PAIR BY SETTING SWITCH. THE SWITCH IS LOCATED UNDER BACK PANEL.



TWISTED PAIR - CLOSE SWITCH POSITIONS 1 AND 3  
 OPEN SWITCH POSITIONS 2 AND 4

TWO TWISTED PAIR - CLOSE SWITCH POSITIONS 2 AND 4  
 OPEN SWITCH POSITIONS 1 AND 3

- |                           |                       |
|---------------------------|-----------------------|
| RS485<br>TWO TWISTED PAIR | RS485<br>TWISTED PAIR |
| 1 - NO CONNECTION         | 1 - NO CONNECTION     |
| 2 - TA (+)                | 2 - TRA (+)           |
| 3 - TB (-)                | 3 - TRB (-)           |
| 4 - RA (+)                | 4 - NO CONNECTION     |
| 5 - RB (-)                | 5 - NO CONNECTION     |
| 6 - GND                   | 6 - GND               |

**OUTPUTS**

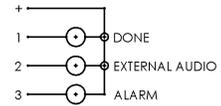
THE OUT SWITCH CONTROLS THE POWER SUPPLY FOR THE OUTPUTS. THE OUTPUTS CAN BE RUN FROM THE INTERNAL POWER SUPPLY OR RUN FROM AN EXTERNAL POWER SUPPLY.  
 1. SET OUT SWITCH TO INT POSITION TO USE INTERNAL SUPPLY.  
 2. SET OUT SWITCH TO EXT POSITION TO USE AN EXTERNAL POWER SUPPLY

**OUTPUTS**

- 1 - DONE
- 2 - EXTERNAL AUDIO
- 3 - ALARM
- 4 - NO CONNECTION
- 5 - NO CONNECTION
- 6 - NO CONNECTION
- 7 - NO CONNECTION
- 8 - NO CONNECTION

NOTE: OUTPUT ASSIGNMENTS ARE PROGRAMMABLE. THIS DRAWING REFERENCES TYPICAL ASSIGNMENTS.

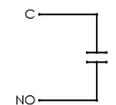
TYPICAL OUTPUT WIRING FOR USE WITH INTERNAL POWER SUPPLY  
 (TOTAL OUTPUT POWER IN THIS CONFIGURATION IS 12 VDC @ 180mA. INDIVIDUAL LOADS @ 50mA).



TYPICAL OUTPUT WIRING FOR USE WITH EXTERNAL POWER SUPPLY



**DETAIL OF TYPICAL RELAY OUTPUT**



24 VAC POWER  
 H - 24 VAC HOT  
 C - 24 VAC COMMON  
 G - EARTH GROUND  
 HR - HOUR

- RS232
- 1 - NO CONNECTION
  - 2 - TxD
  - 3 - RxD
  - 4 - NO CONNECTION
  - 5 - COMMON
  - 6 - NO CONNECTION
  - 7 - NO CONNECTION
  - 8 - NO CONNECTION
  - 9 - NO CONNECTION

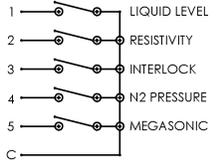
THE IN SWITCH CONTROLS THE POWER FOR BOTH INPUTS AND REMOTE INPUTS. THE INPUTS CAN BE RUN FROM THE INTERNAL POWER SUPPLY OR FROM AN EXTERNAL POWER SUPPLY.  
 1. SET THE IN SWITCH TO INT POSITION TO USE INTERNAL POWER SUPPLY.  
 2. SET THE IN SWITCH TO EXT POSITION TO USE AN EXTERNAL POWER SUPPLY.

**INPUTS**

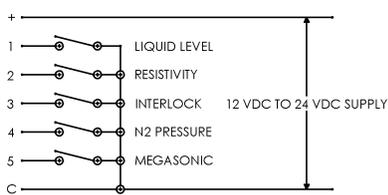
- 1 - LIQUID LEVEL ( CLOSED INDICATES WATER IS PRESENT )
- 2 - RESISTIVITY ( CLOSED INDICATES RESISTIVITY MET )
- 3 - INTERLOCK ( ALARMS ON OPEN )
- 4 - N2 PRESSURE ( ALARMS ON OPEN )
- 5 - MEGASONIC ( ALARMS ON OPEN )
- 6 - NO CONNECTION
- 7 - NO CONNECTION
- 8 - NO CONNECTION

NOTE: INPUT ASSIGNMENTS ARE PROGRAMMABLE. THIS DRAWING REFERENCES TYPICAL ASSIGNMENTS.

TYPICAL INPUT WIRING FOR USE WITH INTERNAL POWER SUPPLY



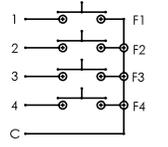
TYPICAL INPUT WIRING FOR USE WITH EXTERNAL POWER SUPPLY



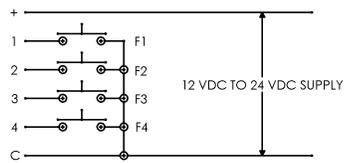
**REMOTE INPUTS**

- 1 - F1 ( MOMENTARY ONLY )
- 2 - F2 ( MOMENTARY ONLY )
- 3 - F3 ( MOMENTARY ONLY )
- 4 - F4 ( MOMENTARY ONLY )

TYPICAL WIRING OF REMOTE INPUTS FOR USE WITH INTERNAL POWER SUPPLY



TYPICAL WIRING OF REMOTE INPUTS FOR USE WITH EXTERNAL SUPPLY



**NOTE**  
 INPUT AND OUTPUT ASSIGNMENTS ARE PROGRAMMABLE. THIS DRAWING REFERENCES TYPICAL ASSIGNMENTS.

TOLERANCES UNLESS OTHERWISE SPECIFIED		<b>JPC CONTROLS</b>		102 COMPASS PT, DR. STE. D, ST. CHARLES, MO 63301 (636) 946-3300 Fax (636) 724-2492 www.jpccontrols.com	
<b>PROCON SERIES 3000 CONTROLLER WIRING DIAGRAM</b>					
APPROVAL		DATE	DRAWN BY	MPJ	DATE 07/08/02
ALL DIMENSIONS ARE IN INCHES		DATE	SHEET	1 OF 1	SCALE 1=1
PART = E:\C\CD\3000\3000B11.SLDRAW		DATE	13	300057	30 01